



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**Raynor Garage Doors
1101 East River Road
Dixon, IL 61021**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Showcase/Masterpiece/TC200 Steel Sectional Garage Door up to 16' wide

APPROVAL DOCUMENT: Drawing No. **P-3312**, titled "Spec, Wind Load Showcase, Masterpiece, TC200", sheets 1 through 3 of 3, dated 10/23/09, with last revision B dated 06/16/10, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Carlos M. Utrera
09/27/10

**NOA No. 10-0420.01
Expiration Date: October 20, 2015
Approval Date: October 20, 2010
Page 1**

Raynor Garage Doors

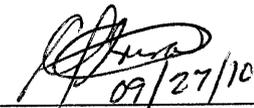
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **P-3312**, titled "Spec, Wind Load Showcase, Masterpiece, TC200", sheets 1 through 3 of 3, dated 10/23/09, with last revision B dated 06/16/10, prepared by Raynor Garage Doors, signed and sealed by Richard A. Baumann, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of 16'x 7' Showcase Sectional Steel Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-1102-09**, dated 02/03/10, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of a 12'x 7' Showcase Sectional Steel Garage Door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-1201-09**, dated 02/03/10, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of 9'x 7' Showcase Sectional Steel Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-1201-09**, dated 02/04/10, signed and sealed by Vinu J. Abraham, P.E.
4. Test report on Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94 of two (one TradeMark and one Showcase) 16'x 7' Sectional Garage Doors, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G493-0706-10**, dated 08/10/10, signed and sealed by Vinu J. Abraham, P.E.
5. Test report on Tensile Test per ASTM E8, of steel sheet, prepared by Certified Testing Laboratories, Test Report No. 0037T, dated 01/20/10, signed and sealed by Ramesh Patel, P.E.
6. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted steel, prepared by Wandler Engineering Services, Inc., dated 04/12/10, signed and sealed by Richard A. Baumann, P.E.



Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 10-0420.01

Expiration Date: October 20, 2015

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Raynor Garage Doors

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C. CALCULATIONS

1. Jamb attachment verification calculations, prepared by Wendler Engineering Services, Inc., dated 04/13/10, signed and sealed by Richard A. Baumann, P.E.

D. QUALITY ASSURANCE

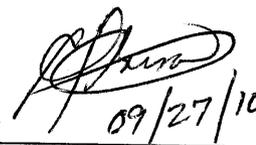
1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Test report on Surface Burning Characteristics, per ASTM E84 of Type IX EPS, Report No. **3147467SAT-001**, prepared by Intertek Testing Services, NA, Inc., dated 04/10/08, signed by Chris Bowness, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929 of Type IX EPS, prepared by Intertek Testing Services, NA, Test Report No. **3147467SAT-002**, dated 06/12/08, signed by Chris Bowness, P.E.
3. Notice of Acceptance No. **07-1107.08**, issued to Dyplast Products LLC., for their EPS Block Type Insulation, approved on 02/28/08, and expiring on 01/11/12.

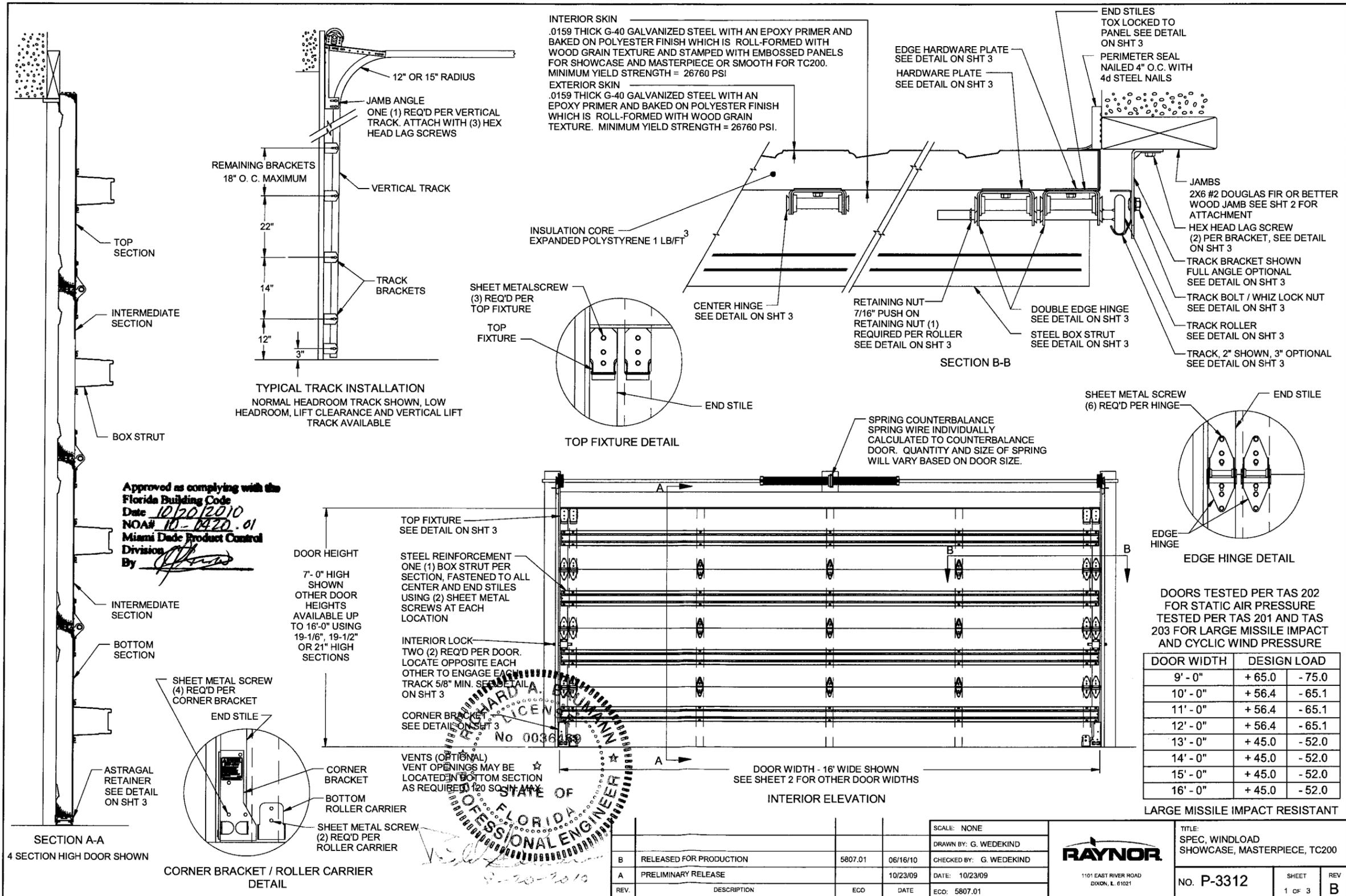
F. STATEMENTS

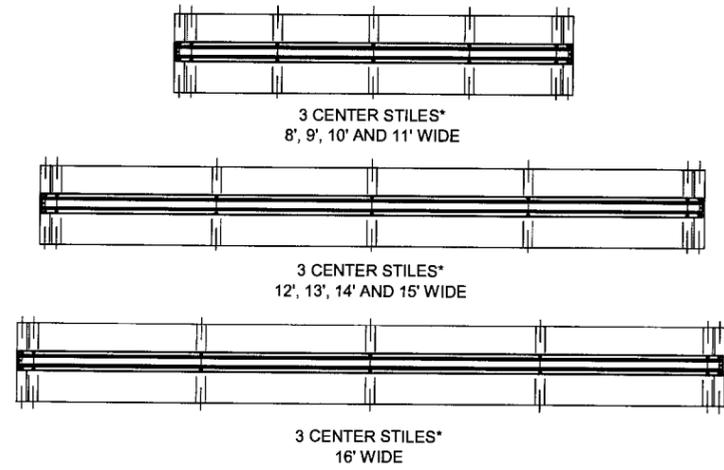
1. Statement letter of code conformance with FBC 2007, issued by Wendler Engineering Services, Inc., dated 04/12/10, signed and sealed by Richard A. Baumann, P.E.
2. Statement letter of no financial interest issued by Wendler Engineering Services, Inc., dated 04/12/10, signed and sealed by Richard A. Baumann, P.E.



09/27/10

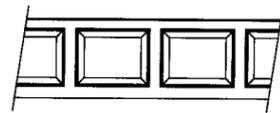
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-0420.01
Expiration Date: October 20, 2015
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CENTER STILE LAYOUT
INTERIOR VIEW

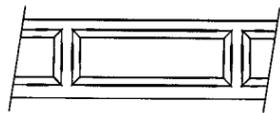
* 3 CENTER STILES MINIMUM, EXTRA STILES MAY BE REQUIRED
DEPENDING ON DOOR CONFIGURATION



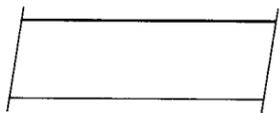
COLONIAL
PANEL



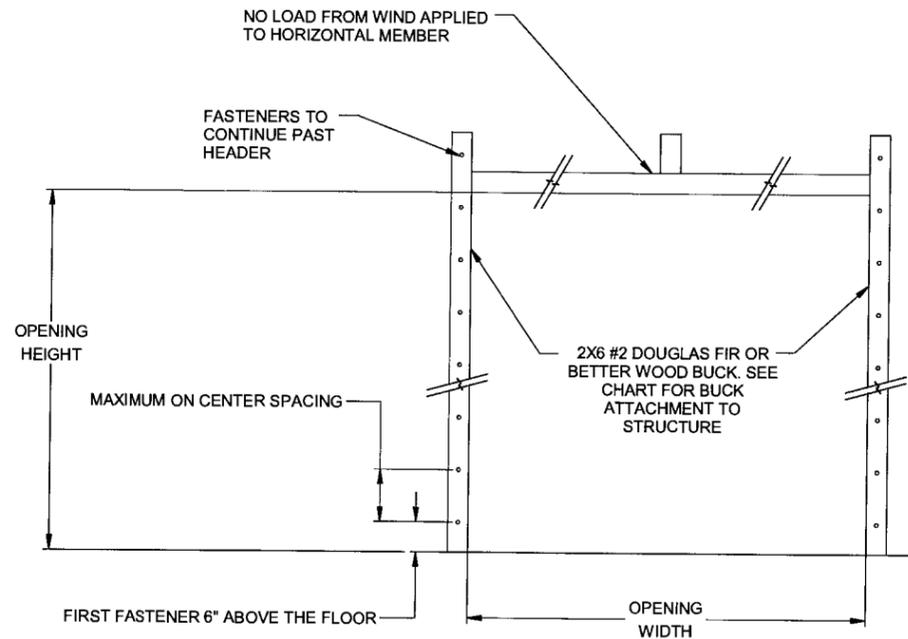
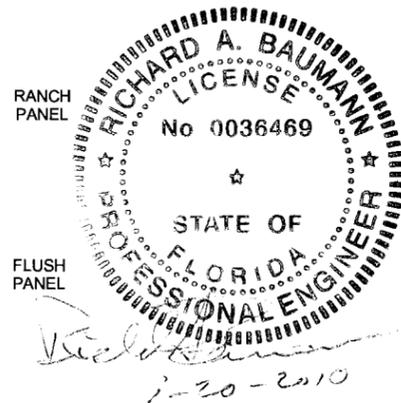
CARRIAGE
HOUSE
PANEL



RANCH
PANEL



PANEL OPTIONS
EXTERIOR VIEW



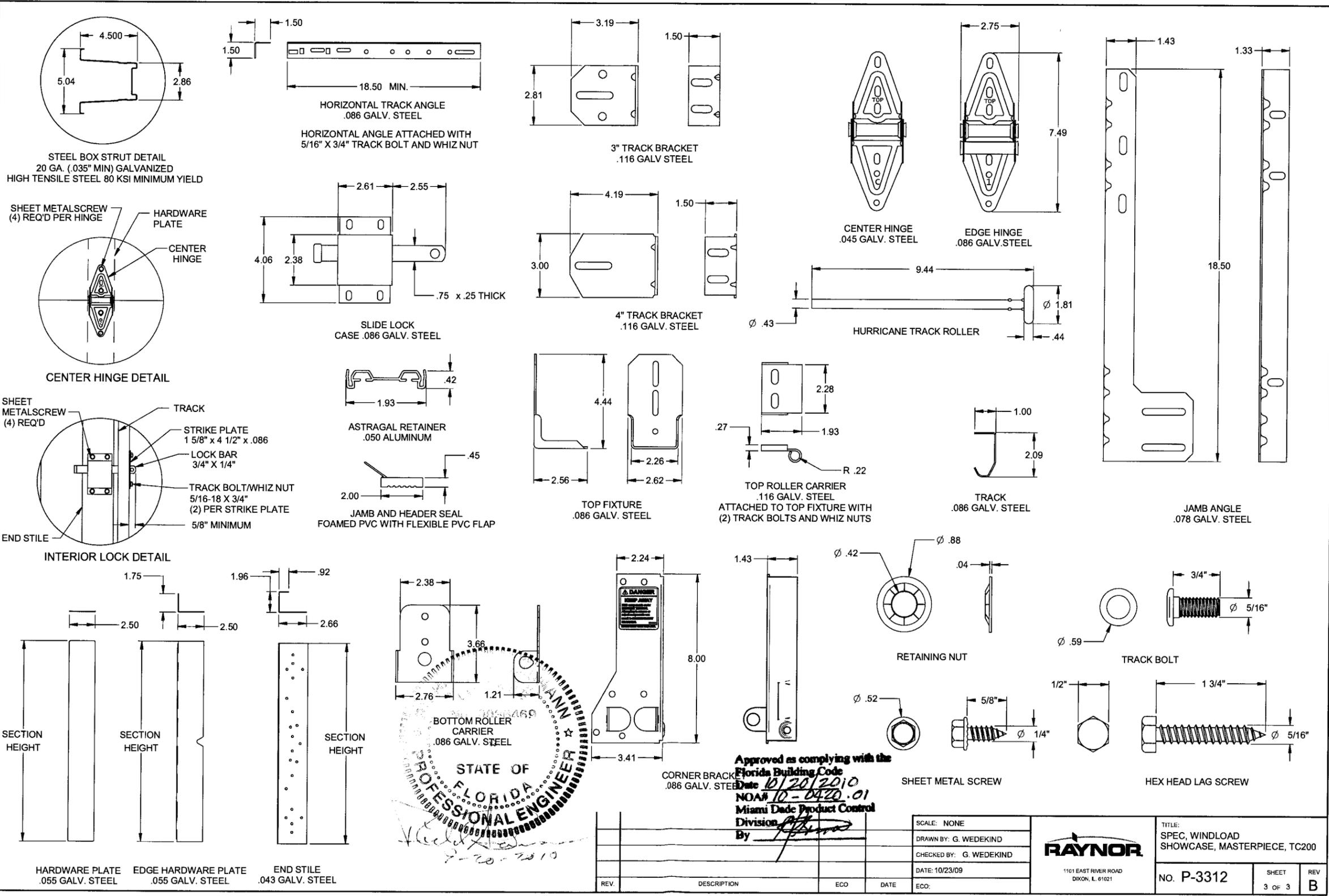
JAMB ATTACHMENT NOTES

- 1/4" DIAMETER ANCHORS REQUIRE 5/8" MIN. O.D. STEEL WASHER.
- 5/16" AND 3/8" DIAMETER FASTENERS REQUIRE 7/8" MIN O.D. STEEL WASHER.
- MAXIMUM POSITIVE LOAD PER JAMB = (16' X 45 PSF) / 2 = 360 LBS PER FOOT
- MAXIMUM NEGATIVE LOAD PER JAMB = (16' X 52 PSF) / 2 = 416 LBS PER FOOT.
- DESIGN OF THE SUPPORTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE JAMB LOADS LISTED IN NOTES 3 AND 4.

Approved as complying with the
Florida Building Code
Date 10/20/2010
NOA# 10-0420-01
Miami Dade Product Control
Division
By *[Signature]*

JAMB MATERIAL	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	ALLOWABLE TENSION LOAD	MAXIMUM ON CENTER SPACING
GROUT FILLED BLOCK	5/16" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	4"	487	16-1/4"
3192 PSI CONCRETE	1/4" DIA X 3 1/4" LONG ITW TAPCON	1 3/4"	1"	510	17"
2899 PSI CONCRETE	5/16" DIA X 3 3/4" LONG ITW TAPCON	2 1/4"	1 9/16"	713	23-3/4"
2000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	360	12"
4000 PSI CONCRETE	3/8" DIA X 3 1/2" POWER STUD ANCHOR	1 5/8"	1 7/8"	570	19"
WOOD DOUGLAS FIR (G=46)	5/16" DIA. X 3 1/2"	1 1/2"	1"	352	11-3/4"
WOOD SYP (G=55)	5/16" DIA. X 3 1/2"	1 1/2"	1"	460	15-1/4"

SCALE: NONE		 1101 EAST RIVER ROAD DIXON, IL 61021	TITLE: SPEC, WINDLOAD SHOWCASE, MASTERPIECE, TC200		
DRAWN BY: G. WEDEKIND			NO. P-3312	SHEET	REV
CHECKED BY: G. WEDEKIND				2 OF 3	B
DATE: 10/23/09					
REV.	DESCRIPTION	ECO	DATE	ECO:	



STATE OF FLORIDA
PROFESSIONAL ENGINEER
ANN
NOA# 10-0420-01
Miami Dade Product Control
Division
By [Signature]

Approved as complying with the
Florida Building Code
Date 10/20/2010
NOA# 10-0420-01
Miami Dade Product Control
Division
By [Signature]

REV.	DESCRIPTION	ECO	DATE

SCALE: NONE	 1101 EAST RIVER ROAD DIXON, IL 61021	TITLE: SPEC, WINDLOAD SHOWCASE, MASTERPIECE, TC200
DRAWN BY: G. WEDEKIND		NO. P-3312
CHECKED BY: G. WEDEKIND		SHEET 3 OF 3
DATE: 10/23/09	REV B	
ECO:		